

2073G

Protosiphulin

Protometeogenin

See Spirost-4-ene-2,3,11-triol, (2 β ,3 β ,11 α ,25R)- [60506-79-8]

Protomin

See D-Glucitol, 1,1'-(sulfonylbis(4,1-phenyl-eneimino)bis(1-deoxy-1-sulfo-, disodium salt [554-18-7]

Protomycin

See 2,6-Piperidinedione, 4-[(2R,5S,6E)-2-hydroxy-5,7-dimethyl-4-oxo-6,8-nonadienyl]- [738-72-7]

Protomycinolide IV

See Oxacyclohexadeca-3,11,13-triene-2,10-dione, 16-ethyl-6-hydroxy-5,7,9,15-tetramethyl-, (3E,5S,6S,7S,9R,11E,13E,15S,16R)- [79495-87-7]

Proton [12586-59-3]

The hydrogen ion H¹⁺ as a discrete particle or in the gaseous state is indexed at this heading. The H¹⁺ ion in condensed phases is indexed at *Hydrogen ion* [12408-02-5]

See also Antiproton [12586-60-6]

acceleration of — see also Particle acceleration

accelerators for — see also Proton accelerators

in activation anal.

see also

Proton activation analysis

X-ray spectroscopy

affinity for, in protonation — see also Proton affinity

counters and detectors for — see also Radiation

detectors, proton

dosimetry — see also Dosimetry, proton

exchange reactions of, chem.

see also

Exchange reaction

Protonation

Hydrogen [1333-74-0], reactions

in hot atom chem. — see also Hot atom reaction

interactions of, with antiprotons — see

also Antiproton [12586-60-6]

in interstellar space — see also Interstellar space

magnetic relaxation of — see also Magnetic

relaxation

magnetic resonance of

see also

NMR (nuclear magnetic resonance)

NMR spectroscopy

in plasmas — see also Hydrogen

[1333-74-0], plasma

polarization of, in mols. — see also Nuclear

polarization

spectrometers for — see also Nuclear

spectrometers, proton

spin of, coupling of, in mols. — see also Nuclear

spin-spin coupling

di- — see also Helium, isotope of mass 2

[60887-46-9]

resonance λ p(2145) — see Meson, K₂(2250)

[51280-14-9]

Proton accelerators

See also narrower: Proton synchrotrons

Proton activation analysis**Proton affinity**

See also related:

Basicity

Hydrogen transfer

Protonation

Proton transfer

Protonation

See also related:

Deprotonation

Deuteration

Proton affinity

Protonation catalysts

Protonation enthalpy

Protonation kinetics

Protonmotive force

Proton transfer

Tautomers

Protonation (biological)

Valid heading during volumes 126-130 (1997-June

1999) only

See Protonation, biol.

Protonation and Proton transfer reaction

See Protonation

Protonation catalysts

See also related:

Hydrogen transfer catalysts

Protonation

Protonation enthalpy

See also related:

Hydrogenation enthalpy

Hydrogen shift enthalpy

Hydrogen transfer enthalpy

Ionization enthalpy

Protonation

Protonation kinetics

See also related:

Adiabatic potential

Hydrogen transfer kinetics

Protonation

Proton conductivity

Valid heading during volumes 126-130 (1997-June

1999) only

See Ionic conductivity, proton

Protonectin [152681-84-0]

H-L-Ile-L-Leu-Gly-L-Thr-L-Ile-L-Leu-Gly-
1 2 3 4 5 6 7

L-Leu-L-Leu-L-Lys-Gly-L-Leu-NH₂
8 9 10 11 12

Protoneodioscin

See β -D-Glucopyranoside, (3 β ,22 α ,25S)-26-(β -D-glucopyranosyloxy)-22-hydroxyfurost-5-en-3-yl O-6-deoxy- α -L-mannopyranosyl-(1-2)-O-[6-deoxy- α -L-mannopyranosyl-(1-4)]- [60478-69-5]

Protoneogracillin

See β -D-Glucopyranoside, (3 β ,22 α ,25S)-26-(β -D-glucopyranosyloxy)-22-hydroxyfurost-5-en-3-

yl O-6-deoxy- α -L-mannopyranosyl-(1-2)-O-[β -D-glucopyranosyl-(1-3)]- [191334-50-6]

Protoneotokoronin

See β -D-Glucopyranoside, (1 β ,2 β ,3 α ,5 β ,25S)-1-(α -L-arabinopyranosyloxy)-2,3,22-trihydroxy-furostan-26-yl [87562-59-2]

Protoneoyonogenin

See β -D-Glucopyranoside, (2 β ,3 α ,5 β ,25S)-2,3,22-trihydroxyfurostan-26-yl [87562-60-5]

Proton-impact ionization**Proton induced x-ray emission analysis**

See PIXE

Proton induced x-ray emission spectroscopy

See PIXE

Protonium

See Antiproton, atom with proton ($\bar{p}p$) [12717-38-3]

Proton microprobes**Protonmotive force**

See also related:

Electric potential

Membrane potential

Protonation

Proton transfer

Proton NMR spectroscopy**Proton shift**

See Proton transfer, intramol.

Proton sponge

See 1,8-Naphthalenediamine, N,N,N',N'-tetramethyl- [20734-58-1]

Proton synchrotrons**Proton therapy**

Valid heading during volumes 126-130 (1997-June

1999) only

See Radiotherapy, proton

Proton transfer

See also narrower: Deprotonation

See also related:

Adiabatic potential

Deuteration

Hydrogen transfer

Ionization

Proton affinity

Protonation

Protonmotive force

Reorganization energy

Tunneling

Proton transport (biological)

Valid heading during volumes 126-130 (1997-June 1999) only

See

Biological transport

hydrogen ion

Hydrogen ion [12408-02-5]

transport

Proto-oncogenes

See Gene, animal, oncogene

Protopam chloride

See Pyridinium, 2-[(hydroxyimino)methyl]-1-methyl-, chloride [51-15-0]

Protopanaxadiol

See Dammar-24-ene-3,12,20-triol, (3 β ,12 β ,20R)- [7755-01-3]

Protopanaxatriol

See Dammar-24-ene-3,6,12,20-tetrol, (3 β ,6 α ,12 β ,20R)- [1453-93-6]

Protopapaverine

See 6(2H)-Isoquinolinone, 1-[(3,4-dimethoxyphenyl)-methyl]-7-hydroxy-2-methyl- [83803-44-5]

—, tetrahydro-

See 6,7-Isoquinolinediol, 1-[(3,4-dimethoxyphenyl)-methyl]-1,2,3,4-tetrahydro-2-methyl- [26193-25-9]

Protoparce quinquemaculata

See Manduca quinquemaculata

Protoparce sexta

See Manduca sexta

Protopectin

See also Polysaccharides, pectic

Protopet 1S

See Petrolatum

Protopheophorbide a

See 3-Phorbinepropanoic acid, 3,4-didehydro-9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo- [3484-64-8]

Protopheophytin

See 3-Phorbinepropanoic acid, 3,4-didehydro-9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (21R)- [6021-67-6]

Protopheophytin a

See 3-Phorbinepropanoic acid, 3,4-didehydro-9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (21R)- [6021-67-6]

Protophomin

See 1H-Cyclotridec[d]isole-1,6,17(2H,6aH)-dione, 3,3a,9,10,11,12,13,14-octahydro-4,5,10-trimethyl-3-(phenylmethyl)-, (3S,3aR,6aR,7E,10R,15E,17aR)- [52212-93-8]

Protopine

See Bis[1,3-benzodioxol(4,5-c:5',6'-glazecin-13(5H)-one, 4,6,7,14-tetrahydro-5-methyl- [130-86-9]

—, anhydro-

See 1,3-Dioxol(4,5-h)isoquinoline, 7-(6-ethenyl-1,3-benzodioxol-5-yl)-8,9-dihydro-8-methyl- [22855-15-8]

Protoplast

Valid heading during volumes 126-130 (1997-June 1999) only

See Protoplast and Spheroplast

Protoplast and Spheroplast**Protoplast fusion**

Valid heading during volumes 126-130 (1997-June 1999) only

See Cell fusion, protoplast

Protoplumericin A

See Spiro[cyclopenta(c)pyran-7(1H),2'(5'H)-furan]-

4-carboxylic acid, 1-(β -D-glucopyranosyloxy)-4'-[1-[[3-[4-(β -D-glucopyranosyloxy)phenyl]-1-oxo-2-propenyl]oxy]ethyl]-4a,7a-dihydro-5'-oxo-, methyl ester, [1S-[1 α ,4 α ,7 α (R*(E)),7 α]]- [80396-57-2]

Protoplumericin B

See Spiro[cyclopenta(c)pyran-7(1H),2'(5'H)-furan]-4-carboxylic acid, 1-(β -D-glucopyranosyloxy)-4'-[1-[[3-[4-(β -D-glucopyranosyloxy)-3-hydroxyphenyl]-1-oxo-2-propenyl]oxy]ethyl]-4a,7a-dihydro-5'-oxo-, methyl ester, (1S,2'R,4aS,7aS)- [93343-68-1]

Protopolygonatide E'

See β -D-Glucopyranoside, (3 β ,22 α ,25R)-26-(β -D-glucopyranosyloxy)-22-hydroxyfurost-5-en-3-yl O- β -D-glucopyranosyl-(1-3)-O- β -D-glucopyranosyl-(1-4)-O- β -D-galactopyranosyl-(1-3)- [68127-10-6]

Protoporphyrin I

See 21H,23H-Porphine-2,7-dipropionic acid, 12,17-diethenyl-3,8,13,18-tetramethyl- [69987-08-2]

Protoporphyrin IX

See 21H,23H-Porphine-2,18-dipropionic acid, 7,12-diethenyl-3,8,13,17-tetramethyl- [553-12-8]

Protoporphyrinogen IX

See 21H,23H-Porphine-2,18-dipropionic acid, 7,12-diethenyl-5,10,15,20,22,24-hexahydro-3,8,13,17-tetramethyl- [7412-77-3]

Protoporphyrin XI

See 21H,23H-Porphine-2,8-dipropionic acid, 12,17-diethenyl-3,7,13,18-tetramethyl- [34420-21-8]

Protoporphyrin XIII

See 21H,23H-Porphine-2,18-dipropionic acid, 7,13-diethenyl-3,8,12,17-tetramethyl- [59969-38-9]

Protoprimulagenin A

See Oleanane-3,16-diol, 13,28-epoxy-, (3 β ,16 α)- [2611-08-7]

Protopseudohypericin

See Dibenz[a,o]perylene-7,16-dione, 1,3,4,6,8,15-hexahydroxy-10-(hydroxymethyl)-13-methyl- [54328-09-5]

Protoreasteroside

See β -D-Glucopyranoside, (3 β ,5 α ,6 α ,22S)-20,22-dihydroxy-3-(sulfoxy)cholesta-9(11),24-dien-6-yl O-6-deoxy- β -D-galactopyranosyl-(1-2)-O-6-deoxy- β -D-glucopyranosyl-(1-4)-O-[6-deoxy- β -D-glucopyranosyl-(1-2)]-O- β -D-xylopyranosyl-(1-3)-6-deoxy-, monosodium salt [96751-81-4]

Protorez

See 1,3,5-Triazin-2(1H)-one, tetrahydro-5-(2-hydroxyethyl)-1,3-bis(hydroxymethyl)- [1852-21-7]

Protorez 1850

See 1,3,5-Triazin-2(1H)-one, tetrahydro-1,3-bis(hydroxymethyl)-5-methyl- [91-05-4]

Protorez 4361

See Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-1,3,4-tris(hydroxymethyl)- [5001-82-1]

Protorez CHD

See Carbamic acid, bis(hydroxymethyl)-, ethyl ester [3883-23-6]

Protorez EU

See 2-Imidazolidinone, 1,3-bis(hydroxymethyl)- [136-84-5]

Protorez EU 50

See 2-Imidazolidinone, 1,3-bis(hydroxymethyl)- [136-84-5]

Protorez WW

See Carbamic acid, bis(hydroxymethyl)-, ethyl ester [3883-23-6]